

# Single-photon emitter has promise for quantum info-processing

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Los Alamos National Laboratory has produced the first known material capable of single-photon emission at room temperature and at telecommunications wavelengths. These carbon nanotube quantum light emitters may be important for optically-based quantum information processing and information security, while also being of significant interest for ultrasensitive sensing, metrology and imaging needs and as photon sources for fundamental advances in quantum optics studies. The research was reported yesterday in the journal Nature Photonics.

This story first appeared in [Huffington Post](#).

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